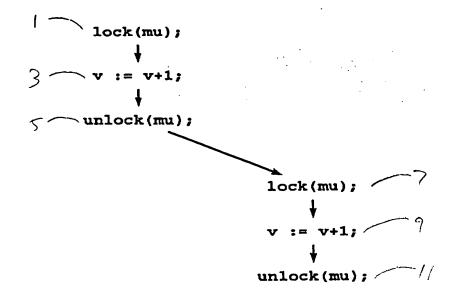


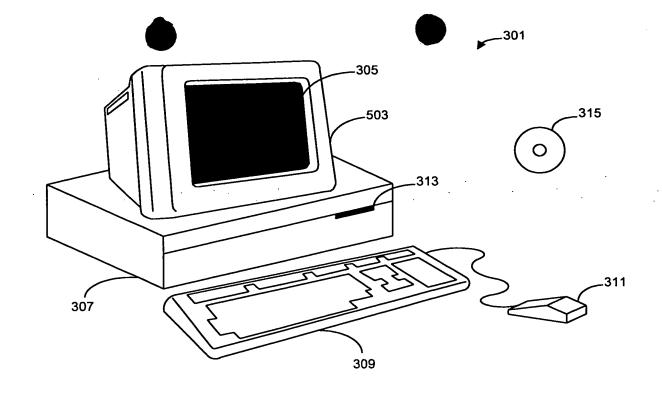
## Thread 1

## Thread 2



Program	locks_held	C(v)
101	$\Theta$	(mu1,mu2)
lock(mu1);	(mu1)	
03 v := v+1;		
/05 unlock(mul);		(mu1)
	$\mathbf{O}$	
107 — lock (mu2);	(mu2)	
109 v := v+1;		
<pre>/// unlock(mu2);</pre>		{}
1	()	

FIG. 2





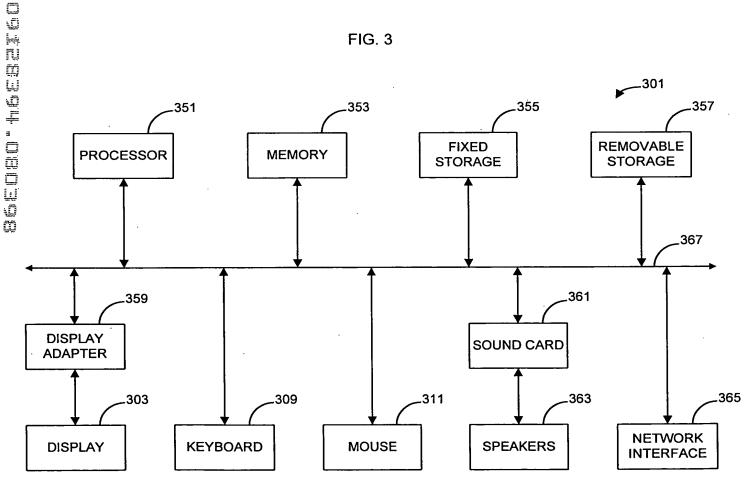
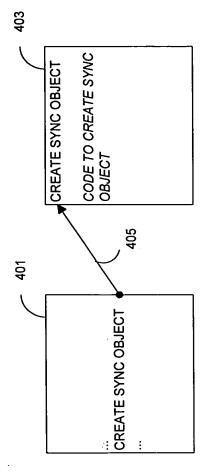


FIG. 4



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FIG. 5A

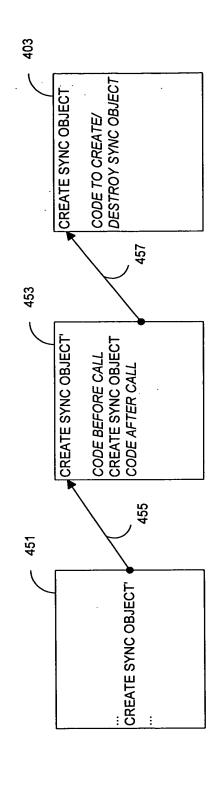


FIG. 5B

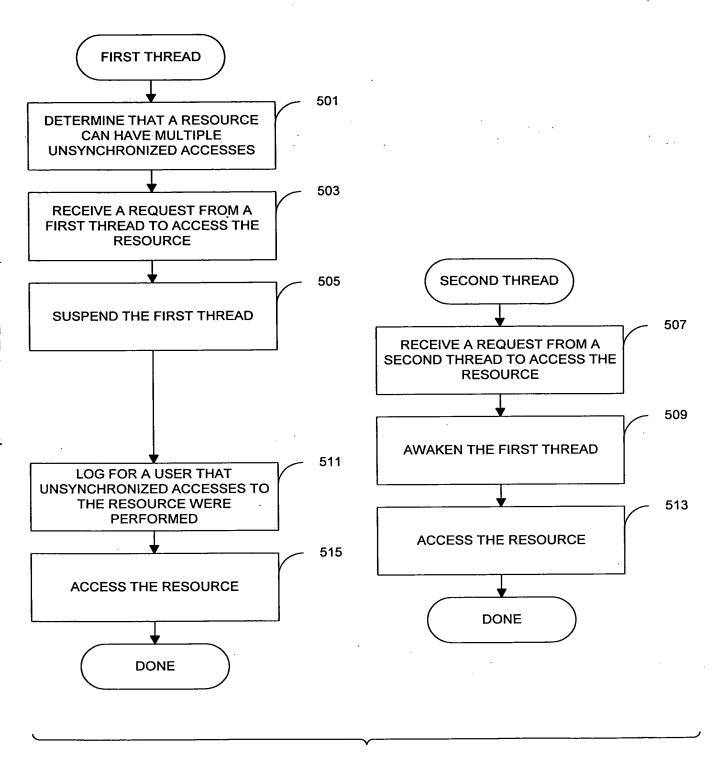


FIG. 6

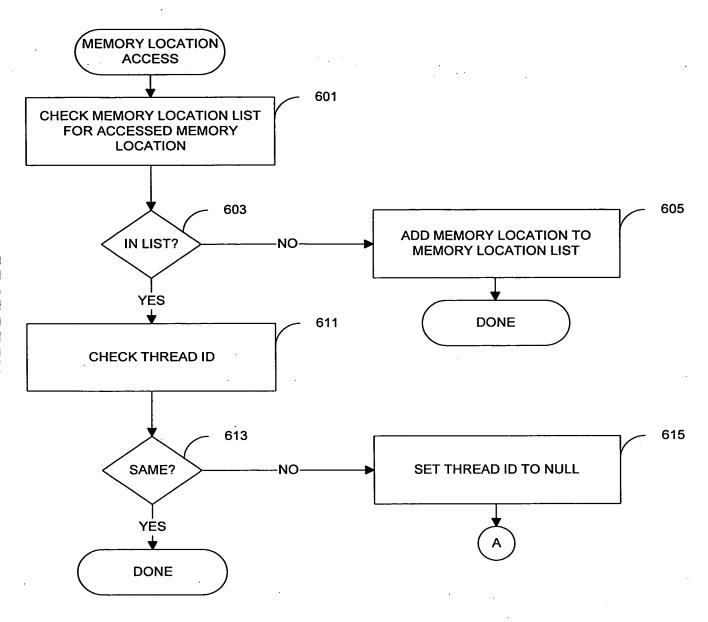


FIG. 7A

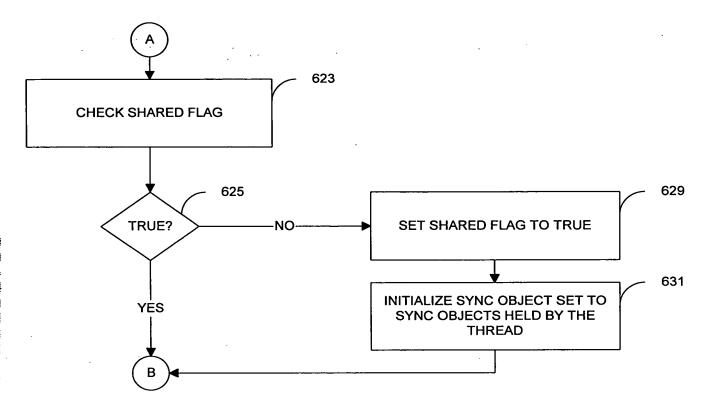


FIG. 7B

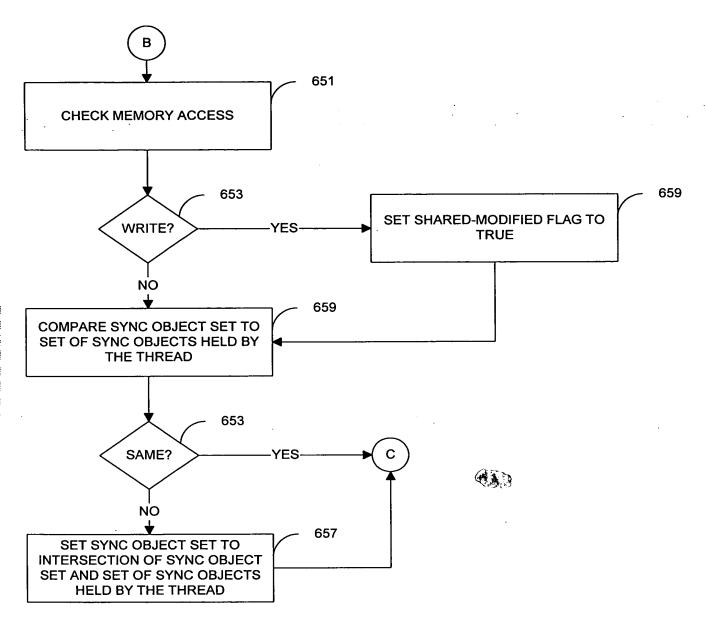


FIG. 7C

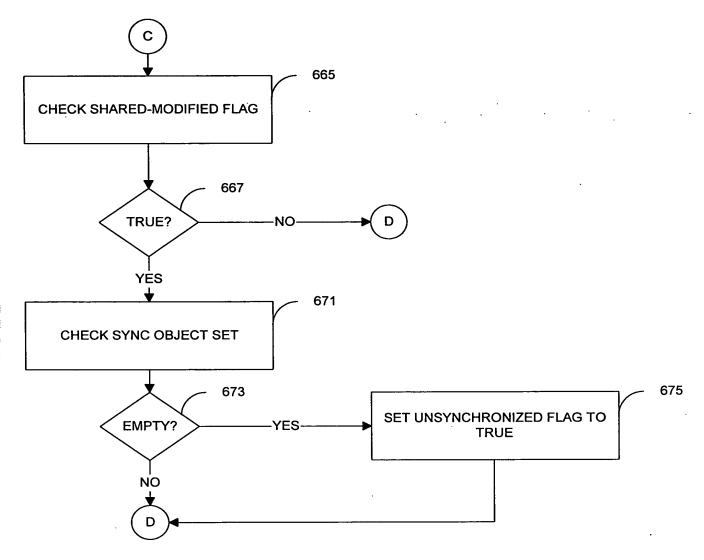
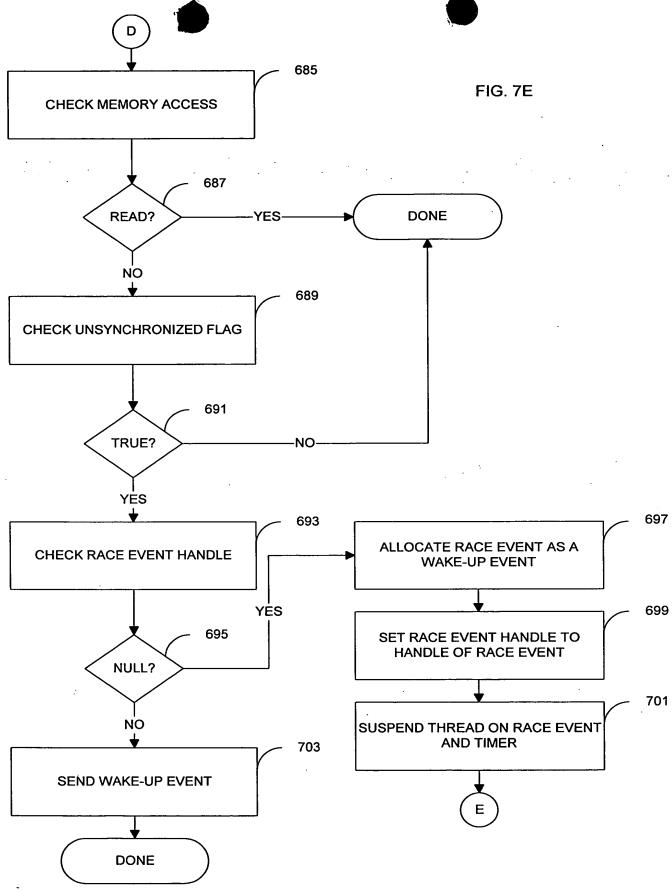


FIG. 7D



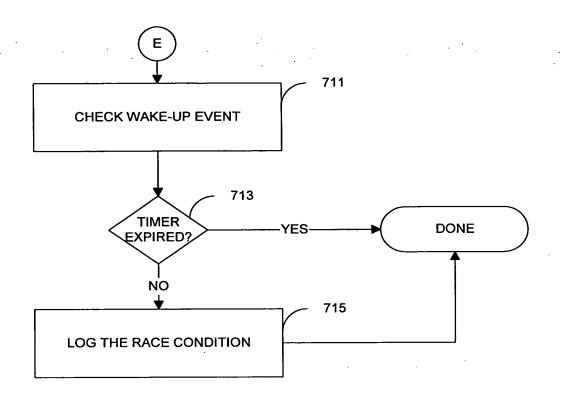


FIG. 7F

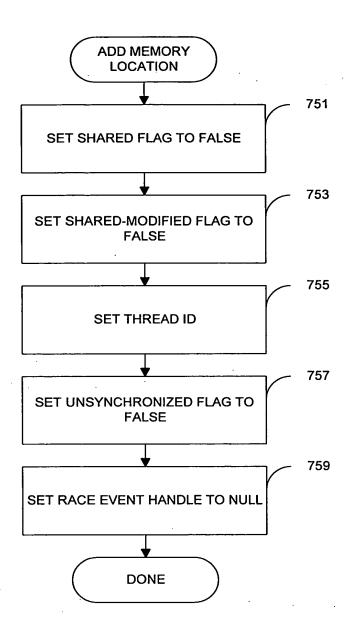
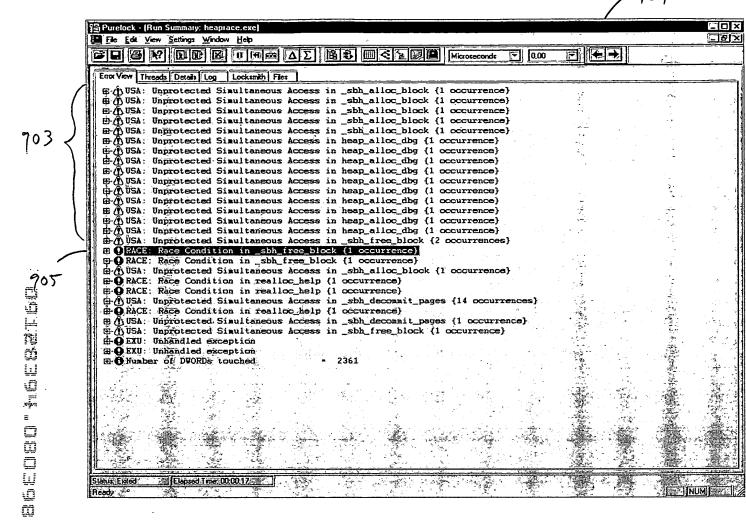


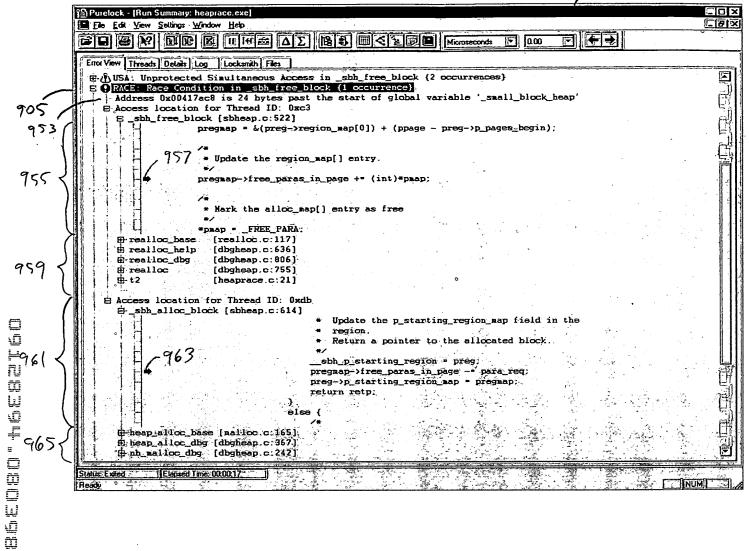
FIG. 8

-901



F1G. 9





F1G. 10